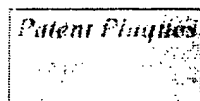




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JP3097441A2: ENDOSCOPE FOR FLUORESCENT OBSERVATION

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Country: **JP** Japan

Kind:

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 News, Profiles, Stocks and More about this company

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Application Number: **JP1989000234333**

IPC Class: **A61B 5/00; A61B 1/00;**

Abstract:

Purpose: To sense fluorescent light together with normal observation image in simple constitution by furnishing an illumination means, which can increase the light amount in that region among all wavelength regions of illumination light which is close to the exciting light for fluorescent agent, so as to be greater than the light amount in the other wavelength regions.

Constitution: When monochromal antigen having accumulateness for tumor identified with a fluorescent agent is given to a living body, this antigen is concentrated at the tumor. In case fluorescence is to be sensed through observation of the location inspected containing the fluorescent agent by the use of an electron endoscope 1, a lamp 21 is lighted pulsedly at the timing when filter elements of a rotary filter 30 are interposed on the illuminating optical path, and the light amount is increased only at the B timing compared with at the G and R timings. Accordingly the location to be inspected is irradiated in time series with the R, G, B lights having penetrated the rotary filter 30, wherein the amount of B light is greater than G and R. The beam from the location irradiated with this illumination light is received by a CCD 16, and thus a color image of the location inspected will be obtained.

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